

Message Text

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ACTION ACDA-19

INFO OCT-01 AEC-11 AF-10 ARA-16 CIAE-00 DODE-00 EA-11

EUR-25 PM-07 H-03 INR-10 IO-13 L-03 NASA-04 NEA-10

NSAE-00 NSC-10 OIC-04 PA-03 PRS-01 RSC-01 SCI-06

SS-15 MBFR-03 USIA-12 SAJ-01 ADP-00 RSR-01 /200 W

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R 131818Z JUL 73

FM USMISSION GENEVA

TO SECSTATE WASHDC 446

INFO AMEMBASSY BONN

AMEMBASSY LONDON

AMEMBASSY MOSCOW

AMEMBASSY TOKYO

AMEMBASSY VIENNA

USUN NEWYORK 9197

USMISSION NATO

USMISSION IAEA VIENNA UNN

AEC GERMANTOWN

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ISLAMABAD, LAGOS, MEXICO, NEW DELHI, OSLO, OTTAWA, PARIS, PRAGUE,
RABAT, RANGOON, RIO DE JANEIRO, ROME, SOFIA, STOCKHOLM, WARSAW

E.O. 11652: N/A

TAGS: PARM

SUBJ: CCD

1. SUMMARY: THE INFORMAL CCD MEETING WITH ASSISTANCE OF
EXPERTS TO EXCHANGE VIEWS ON THE PROBLEMS RELATED TO THE
VERIFICATION OF A COMPREHENSIVE TEST BAN (CTB) WAS HELD
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IN THE CCD IN FOUR DAILY SESSIONS FROM JULY 10 THROUGH
JULY 13. WORKING PAPERS WERE SUBMITTED AND PAPERS READ
BY EXPERTS DURING FIRST TWO SESSIONS. LAST TWO SESSIONS
WERE DEVOTED TO QUESTIONS AND ANSWERS BY THE EXPERTS.

THERE WERE NO STARTLING REVELATIONS. REACTIONS WERE THAT MEETINGS WERE USEFUL AND INFORMATIVE, PARTICULARLY FOR CCD MEMBERS WHO HAVE NOT PREVIOUSLY BEEN EXPOSED TO SUCH TECHNICAL EXCHANGES. NOTEWORTHY WERE JAPANESE ACCOLADE FOR US RESEARCH PROGRAM, AND NETHERLANDS ASSERTION THAT ON-SITE INSPECTIONS WOULD SERVE NO USEFUL PURPOSE. THIS ASSERTION WAS REBUTTED BY US. SOVIETS AND THEIR ALLIES, WHILE ATTENDING MEETINGS, DID NOT HAV EXPERTS PRESENT AND MADE NO STATEMENTS. END SUMMARY.

2. THE INFORMAL MEETING OF EXPERTS TO EXCHANGE VIEWS ON THE PROBLEMS RELATED TO THE VERIFICATION OF A CTB WAS OPENED ON THE AFTERNOON OF JULY 10. CONVENING OF THE INFORMAL METING HAD BEEN AGREED BY THE CCD DURING THE SPRING SESSION. TWENTY EXPERTS FROM NINE COUNTRIES ATTENDED. WORKING PAPERS WERE TABLED BY THE UNITED KINGDOM, THE UNITED STATES, SWEDEN AND CANADA (CCD/401 THROUGH CCD/407). IN ADDITON, STATEMENTS WERE READ BY EXPERTS FROM THE UNITED STATES, THE UNITED KINGDOM, CANADA, JAPAN, SWEDEN, ITALY, THE NETHERLANDS, AND EGYPT. US EXPERTS WERE DR. ERIC WILLIS AND DR. CARL ROMNEY, OF ARPA, AND MR. JAMES SHEA AND DR. JACK EVERNDEN OF ACDA. WILLIS GAVE AN OVERVIEW OF US RESEARCH, EVERNDEN TALKED ON PROBLEMS IN SEISMIC IDENTIFICATION, ROMNEY DESCRIBED NEW SEISMIC INSTALLATIONS AND THEIR CONTRIBUTIONS TO A HIGH QUALITY DATA BASE, SHEA DISCUSSED EVASION TECHNIQUES, AND WILLIS CONCLUDED US PRESENTATION BY DISCUSSING INTERNATIONAL COOPERATION IN EXCHANGE OF DATA.

3. IN ADDITON TO QUESTIONS SURFACED DURING THE EXPERTS' PRESENTATION OF PREPARED PAPERS, DELEGATIONS POSED QUESTIONS OF BOTH A TECHNICAL AND POLITICAL NATURE. THESE QUESTIONS WERE ANSWERED BY VARIOUS EXPERTS DURING THE SESSIONS OF JULY 12 AND JULY 13.

4. THE TECHNICAL QUESTIONS WERE FOR THE MOST PART ASKED BY THE EXPERTS FROM THE US, THE UK, CANADA, SWEDEN AND JAPAN, OF EACH OTHER, AND WERE CONCERNED, INTER ALIA, WITH METHODS LIMITED OFFICIAL USE
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FOR DETERMINING DEPTH OF EVENTS; PROGRESS IN CONSTRUCTION OF SEISMIC STATIONS AND ARRAYS; INSTRUMENTATION; DATA ANALYSIS; AND MAGNITUDES OF SEISMIC SIGNAL DETECTION AND IDENTIFICATION. ALTHOUGH THERE WERE NO STARTLIN REVELATIONS, WESTERN SEISMOLOGISTS FELT THE EXCHANGE HAD BEEN USEFUL. THERE WAS GENERAL RECOGNITION BY THE EXPERTS OF INHERENT LIMITATIONS INVOLVED IN CTB VERIFICATION BY SEISMOLOGY.

5. THE NETHERLANDS EXPERTS, HOWEVER, CLAIMED AGAIN THAT PROGRESS IN SEISMOLOGY HAS BEEN SUCH THAT ANY EVENT THAT CAN BE DETECTED AND LOCATED WILL ALSO BE IDENTIFIABLE. THEREFORE, THEY SAID, SINCE AN UNIDENTIFIED EVENT WILL ALSO BE UNLOCATED,

ON-SITE INSPECTIONS CANNOT BE UTILIZED AND WILL NOT
ADD TO DETERRENCE OF VIOLATIONS. THE US EXPERTS COUNTERED BY DISCUSS-

ION OF MIXED EVENTS (THOSE MASKED BY LARGER EARTHQUAKES),
ANOMALOUS EVENTS AND EVASION, AND SHOWED THAT THERE ARE
EVENTS WHICH CAN BE DETECTED AND LOCATED, BUT NOT
IDENTIFIED.

6. JAPANESE EXPERT'S PREPARED STATEMENT HIGHLY PRAISED US
RESEARCH PROGRAM ON SEISMOLOGICAL TECHNIQUES IN THE
DETECTION AND IDENTIFICATION OF SEISMIC EVENTS. HE SAID
JAPANESE SEISMOLOGISTS WOULD BE INTERESTED IN POSSIBILITY
OF COOPERATION WITH US PROGRAM. JAPANESE DELEGATION WAS,
IN GENERAL WAY, COOPERATIVE WITH US THROUGHOUT FOUR-DAY
MEETING.

7. QUESTIONS ASKED BY CERTAIN NON-ALIGNED CCD REPS WERE
MORE POLITICAL IN NATURE. REPS FROM MEXICO, NIGERIA,
MOROCCO AND ETHIOPIA WERE MOST PROMINENT IN THIS CATEGORY.
MEXICAN REP POSED SERIES OF QUESTIONS RELATED TO WEAPONS
TESTING: IN FURTHER TESTING NECESSARY FOR QUALITATIVE
IMPROVEMENTS? WHAT MIGHT BE GAINED FROM AN ISOLATED TEXT?
IS GAIN WORTH THE RISK INVOLVED? WOULD 10 PERCENT RISK OF BEING
CAUGHT BE SUFFICIENT DETERRENT? COULD CONSULTATIONS BE
A SUBSTITUTE FOR ON-SITE INSPECTIONS? NIGERIAN REP ASKED
QUESTIONS ABOUT NECESSITY FOR ON-SITE INSPECTIONS.
QUESTIONS ABOUT A MORATORIUM AND A THRESHOLD AGREEMENT
WERE ALSO RAISED. THE US EXPERTS AND AMB MARTIN TOOK
THE LEAD IN REPLYING TO THESE TYPES OF QUESTIONS,
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DRAWING ON ESTABLISHED US POSITIONS. US EXPERTS
STRESSED THAT ON-SITE INSPECTIONS COULD SERVE AS VALUABLE
SUPPLEMENT TO SEISMOLOGICAL METHODS OF VERIFICATION.
US EXPERT EXPLAINED, IN GENERAL TERMS, THAT IT NOT
POSSIBLE TO SAY THAT SINGLE, SMALL YIELD TEST COULD NOT
BE OF MILITARY SIGNIFICANCE UNDER CTB SITUATION. MARTIN
CONCLUDED BY REPEATING US POSITION THAT US WILLING TO GIVE
UP MILITARY ADVANTAGES OF WEAPONS TESTING PROVIDED IT WAS
PURSUANT TO A CTB WITH ADEQUATE VERIFICATION SO THAT WE
COULD BE ASSURED OTHER PARTIES WERE ALSO GIVING UP MILITARY
ADVANTAGES.

8. SEVERAL QUESTIONS RELATED TO UTILITY OF SATELLITES IN
THE VERIFICATION PROCESS. US EXPERTS DECLINED TO COMMENT.
BRITISH AND JAPANESE EXPERTS COMMENTED THAT PRIMARY MEANS
OF VERIFICATION IS SEISMOLOGICAL AND THAT SATELLITES CAN
ONLY BE SUPPLEMENT. BOTH STRESSED GREAT PRACTICAL PROBLEMS
IN COVERING A LARGE AREA ADEQUATELY BY SATELLITES. NO
STATEMENTS WERE MADE, OR QUESTIONS RAISED, REGARDING
NUCLEAR EXPLOSIONS FOR PEACEFUL PURPOSES.

9. CONSENSUS OF CCD MEMBERS REACTIONS WAS THAT INFORMAL EXPERTSMEETING WAS SUCCESSFUL. EPSTEIN (SPECIAL CONSULTANT TO UN SYG) TERMED IT "BEST EVER HELD ON TECHNICAL SUBJECT." JAPANESE REP EXPRESSED GREAT SATISFACTION WITH MEETINGS. NO COMMENTS RECEIVED FROMSOVS OR THEIR ALLIES.

10. COMPLETE SUMMARY RECORD, WHICH BEING PREPARED BY SECRETARIAT FOR PRIVATE USE OF DELEGATIONS, WILL BE SENT TO ADDRESSEES BY AIRGRAM.
DECONTROL AFTER JULY 13, 1974.BASSIN

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